

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-29. **(Cancelled)**

30. **(New)** A self cleaning filter assembly for use in an exhaust system, comprising:

a duct for positioning about the path of an air flow, the duct housing a first filter and a second filter;

a plurality of spray outlets for dispersion of a liquid within the duct, wherein the plurality of spray outlets form droplets of the liquid sized for combining with a contaminant to form combined droplets in the air flow, and wherein at least one of the first filter and the second filter capture the combined droplets; and

a barrier positioned adjacent the duct to prevent the liquid from dripping from at least one of the first filter and the second filter and out from the duct.

31. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier comprises a plurality of louvres that create openings when the exhaust system is operational.

32. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier is slidable into the duct to create an opening when the exhaust system is operational.

33. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier includes baffles to retard the air flow.

34. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier includes at least one chamber for the containment of the liquid.

35. **(New)** A self cleaning filter assembly as claimed in Claim 34, further comprising:

a conduit for fluid drainage of the liquid from the at least one chamber.

36. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein each spray outlet disperses the liquid in an arc of between sixty degrees and one hundred eighty degrees relative to a central axis of the spray outlet.

37. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein each spray outlet is selected from a group of outlets consisting of a fan jet spray and a nozzle.

38. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the liquid includes water and a degreaser in a ratio in the range of from 1:10 to 1:50.

39. **(New)** A self cleaning filter assembly as claimed in Claim 1, wherein the plurality of spray outlets are on an inlet side of one of the first filter and the second filter.

40. **(New)** A self cleaning filter assembly as claimed Claim 39, wherein the plurality of spray outlets are located at each edge of one of the first filter and the second filter.

41. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the plurality of spray outlets are located between the first filter and the second filter.

42. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the plurality of spray outlets are located on opposed corners of one of the first filter and the second filter.

43. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the plurality of spray outlets are located within the duct.

44. **(New)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier comprises at least one chamber with at least one baffle therein.

45. **(New)** A circulation system for fluids into at least one self cleaning filter assembly, comprising:

a circulation tank; and

a circulation pump, wherein the circulation pump operates as a venturi pump to circulate fluids in the system.

46. **(New)** A circulation system as claimed in Claim 45, further comprising:

at least one valve to control the flow of water into the circulation tank.

47. **(New)** A circulation system as claimed in Claim 45, further comprising:

a supplementary tank for the containment of a cleaning fluid.

48. **(New)** A circulation system as claimed in Claim 45, further comprising:

a filter in series with the circulation pump.

49. **(New)** A circulation system as claimed in Claim 45, wherein the circulation tank has an inclined sloping base.